

Sheet 1 of 4

Attorney Docket No. 00786/433002 SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (MODIFIED) Serial No. 10/533,047 Applicant Jain et al. INFORMATION DISCLOSURE STATEMENT BY APPLICANT Filing Date December 14, 2005 (Use several sheets if necessary) Group 1651 (37 C.F.R. § 1.98(b)) IDS Filed April 6, 2007

		U.S. PATE	NT DOCUMENTS
Examiner's Initials	Document Number	Publication Date	Patentee or Applicant
	4,895,558	Jan. 23, 1990	Cham
	5,041,138	Aug. 20, 1991	Vacanti et al.
	5,226,914	July 13, 1993	Caplan et al.
	5,368,858	Nov. 29, 1994	Hunziker
	5,489,304	Feb. 06, 1996	Orgill et al.
	5,632,745	May 27, 1997	Schwartz
	5,693,462	Dec. 02, 1997	Raymond
	5,716,404	Feb. 10, 1998	Vacanti et al.
	5,843,024	Dec. 01, 1998	Brasile
	5,869,037	Feb. 09, 1999	Crystal et al.
	6,024,698	Feb. 15, 2000	Brasile
	6,103,255	Aug. 15, 2000	Levene et al.
	6,197,061.	Mar. 06, 2001	Masuda et al.
	6,197,586	Mar. 06, 2001	Bhatnagar et al.
	6,224,893	May 01, 2001	Langer et al.
	6,228,117	May 08, 2001	De Bruijn et al.
	6,328,990	Dec. 11, 2001	Ducheyne et al.
	6,331,422	Dec. 18, 2001	Hubbell et al.
	6,337,198	Jan. 08, 2002	Levene et al.
	6,376,742	Apr. 23, 2002	Zdrahala et al.
	6,419,702	Jul. 16, 2002	Ferree

EXAMINER	/Allison Ford/	DATE CONSIDERED	09/10/2008	

SUBSTITUTE FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE	Attorney Docket No.	00786/433002
(MODIFIED) PATENT AND TRADEMARK OFFICE		Serial No.	10/533,047
		Applicant	Jain et al.
STATEMEN'	ON DISCLOSURE T BY APPLICANT	Filing Date	December 14, 2005
(Use several s	sheets if necessary)	Group	1651
(37 C.F.R. § 1.98(b))		IDS Filed	April 6, 2007

	U.S. PAT	ENT DOCUMENTS
6,451,060	Sep. 17, 2002	Masuda et al.
20020142397	Oct. 03, 2002	Collas et al.
20020160471	Oct. 31, 2002	Kisiday et al.
20050014258	Jan. 20, 2005	Collas et al.

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Translation (Yes/No)		
	WO 98/13076	Apr. 02, 1998	WIPO			

	OTHER DOCUMENTS (INCLUDING AUTHO	R, TITLE, DATE, PLACE OF PUBLICATION)			
	Abumrad et al., "Cioning of a rat adipocyte mem acids that is induced during preadipocyte differe 268(24):17665-17668 (1993).	brane protein implicated in binding or transport of long-chain fatty ntiation. Homology with human CD36," <i>J Biol Chem.</i>			
	Casadei et al., "A randomized and prospective s immunoglobulin with monoclonal antibodies for Transplantation 71:53-58 (2001).	tudy comparing treatment with high-dose intravenous escue of kidney grafts with steroid-resistant rejection,"			
	Claffey et al., "Vascular endothelial growth factor messenger pathways," J Biol Chem. 267(23):16.	r. Regulation by cell differentiation and activated second 317-16322 (1992).			
	Darland et al., "TGF beta is required for the formation of capillary-like structures in three-dimensional cocultures of 10T1/2 and endothelial cells," Angiogenesis 4:11-20 (2001).				
	Donati et al., "Reparation of a severe case of aplasia cutis congenita with engineered skin," Biol Neonate 80:273-276 (2001).				
	Emoto et al., "Trogitazone treatment increases plasma vascular endothelial growth factor in diabetic patients and its mRNA in 3T3-L1 adipocytes," <i>Diabetes</i> 50:1166-1170 (2001).				
	Filipponi et al., "Animal models of fulminant hepatic failure: need to test liver support devices," <i>Dig Liver Dis</i> . 33(7):607-613 (2001).				
	Flamant et al., *Epidermal growth factor recepto	transactivation mediates the tonic and fibrogenic effects of			
EXAMINER	/Allison Ford/	DATE CONSIDERED 09/10/2008			

	J.S. DEPARTMENT OF COMMERCE	Attorney Docket No.	00786/433002
(MODIFIED) F	PATENT AND TRADEMARK OFFICE	Serial No.	10/533,047
		Applicant	Jain et al.
INFORMATION STATEMENT B	BY APPLICANT	Filing Date	December 14, 2005
(Use several sheets if necessary)		Group	1651
(37 C.F.R. § 1.98(b))		IDS Filed	April 6, 2007

	OTHER DOCUMENTS (INCLUDING AUTHO	R, TITLE, DATE, PLACE OF PUBLICATION)			
	endothelin in the aortic wall of transgenic mice,"	FASEB J. 17(2):327-9 (2003).			
	Gregoire et al., "Understanding adipocyte differe	ntiation" Physiol Rev. 78(3):783-809 (1998).			
		proliferator-activated receptor gamma (PPARgamma) mutant is a-mediated adipogenesis," <i>J Biol Chem.</i> 275(8):5754-5759			
	Hibino et al., "First successful clinical application (2002) (summary in English p. 373).	of tissue engineered blood vessel,* Kyobu Geka. 55:368-375			
-	Hirschi et al., "PDGF, TGF-beta, and heterotypic recruitment of 10T1/2 cells and their differentiati	cell-cell interactions mediate endothelial cell-induced on to a smooth muscle fate," <i>J Cell Biol</i> . 141(3):805-814 (1998).			
	Jain, "Molecular regulation of vessel maturation,	" Nat Med. 9(6):685-693 (2003).			
	Jain et al., "Dissecting tumour pathophysiology to	using intravital microscopy," Nat Rev Cancer 2(4):266-276 (2002).			
	Jain et al., "Vessels of death or life," Sci Am. 28	5(6):38-45 (2001).			
	Krupnick et al., "A novel small animal model of le 21(2):233-243 (2002).	eft ventricular tissue engineering," J Heart Lung Transplant			
	Kovalenko et al., "Selective platelet-derived grov Cancer Res. 54(23):6106-6114 (1994).	wth factor receptor kinase blockers reverse sis-transformation,"			
-	Lazar, "Becoming fat," Genes Dev. 16(1):1-5 (20	002).			
	Lilla et al., "Metalloproteases and adipogenesis:	a weighty subject," Am J Pathol. 160(5):1551-1554 (2002).			
	Mandrup et al., "Obese gene expression at in vi preadipocytes," Proc Natl Acad Sci U S A. 94(9)	o levels by fat pads derived from s.c. implanted 3T3-F442A :4300-4305 (1997).			
	McKee et al., "Human arteries engineered in vite	o," EMBO Rep. 4(6):633-638 (2003).			
	Morikawa et al., "Abnormalities in pericytes on b 160(3):985-1000 (2002).	lood vessels and endothelial sprouts in tumors,* Am J Pathol.			
	Oberpenning et al., "De novo reconstitution of a functional mammalian urinary bladder by tissue Nat Biotechnol. 17(2):149-155 (1999).				
	Orlidge and D'Amore, "Inhibition of capillary end Biol. 105(3):1455-1462 (1987).	othelial cell growth by pericytes and smooth muscle cells," J Cell			
	Pouliot et al., "Reconstructed human skin produ 73(11):1751-1757 (2002).	ced in vitro and grafted on athymic mice," Transplantation			
EXAMINER	/Allison Ford/	DATE CONSIDERED 09/10/2008			

EXAMINER	/Allison Ford/	DATE CONSIDERED	09/10/2008
	tial citation considered. Draw line through citation		

SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attomey Docket No.	00786/433002
		Serial No.	10/533,047
		Applicant	Jain et al.
STATEMEN	ON DISCLOSURE T BY APPLICANT	Filing Date	December 14, 2005
(Use several sheets if necessary)		Group	1651
(37 C.F.R. § 1.98(b))		IDS Filed	April 6, 2007

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)
Renz et al., "SCID mouse as a model for transplantation studies," J of Surg Res 65:34-41 (1996).
Schechner et al., "In vivo formation of complex microvessels lined by human endothelial cells in an immunodeficient mouse," <i>Proc Natl Acad Sci U S A.</i> 97(16):9191-9196 (2000).
Schoeller et al., "Bladder reconstruction using a prevascularized capsular tissue seeded with urothelial cells," J. Urol. 165(3):980-985 (2001).
Shin'oka et al., "Transplantation of a tissue-engineered pulmonary artery," N Engl J Med. 344(7):532-533 (2001).
Simper et al., "Smooth muscle progenitor cells in human blood," Circulation 106(10):1199-1204 (2002).
Soukas et al., "Distinct transcriptional profiles of adipogenesis in vivo and in vitro," <i>J Biol Chem.</i> 276(36):34167-34174 (2001).
Spiegelman et al., "Molecular cloning of mRNA from 3T3 adipocytes. Regulation of mRNA content for giverophosphate dehydrogenase and other differentiation-dependant proteins during adipocyte development," J Biol Chem. 28(19):1003-1008 (1983).
 Vacanti and Langer, "Tissue engineering: the design and fabrication of living replacement devices for surgical reconstruction and transplantation," <i>Lancet</i> 354(Suppl.1):SI32-SI34 (1999).
Varzaneh et al., "Extracellular matrix components secreted by microvascular endothellal cells stimulate preadipocyte differentiation in vitro," Metabolism 43(7):906-912 (1994).
Yuan et al., "Microvascular permeability of albumin, vascular surface area, and vascular volume measured in human adenocarcinoma LS174T using dorsal chamber in SCID mice," Microvasc Res. 45(3):269-289 (1993).
Yang et al., "Functional roles for PECAM-1 (CD31) and VE-cadherin (CD144) in tube assembly and lumen formation in three-dimensional collagen gets," <i>Am J Pathol.</i> 155(3):887-895 (1999).
Yun et al., "Inhibition of PPAR gamma 2 gene expression by the HIF-1-regulated gene DEC1/Stra13: a mechanism for regulation of adipogenesis by hypoxia," Dev Cell. 2(3):331-341 (2002).
 International Search Report mailed August 5, 2004 (PCT/US03/34838).

EXAMINER /Allison Ford/ DATE CONSIDERED 09/10/2008	EXAMINER	/Allison Ford/	DATE CONSIDERED	09/10/2008
--	----------	----------------	-----------------	------------